真空排気装置

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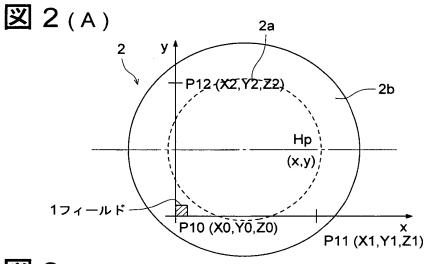


図 2 (B)

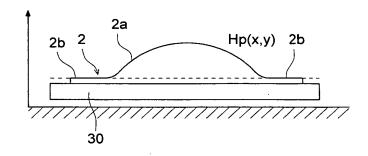
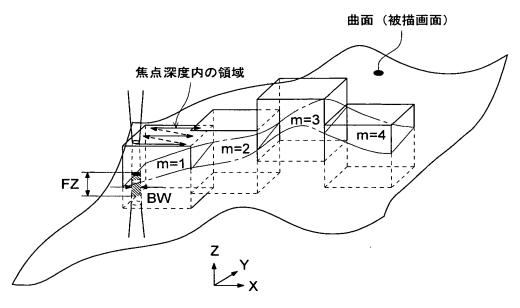
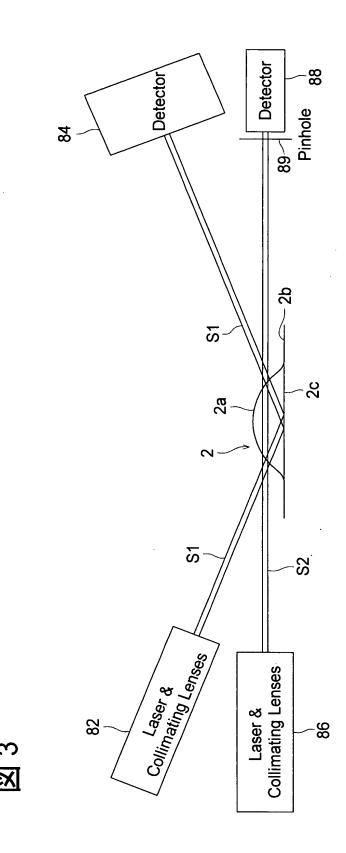
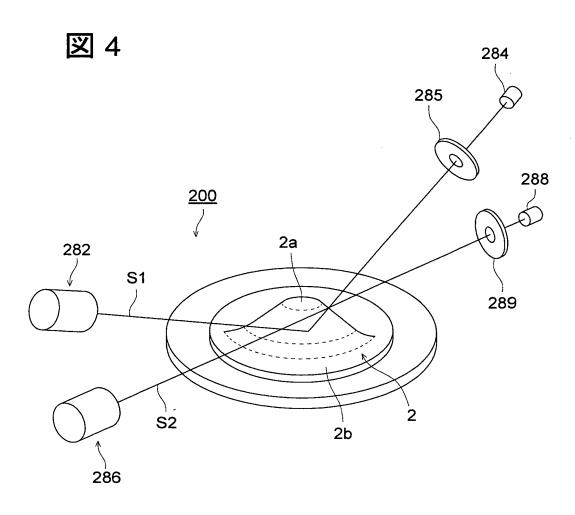


図2(C)









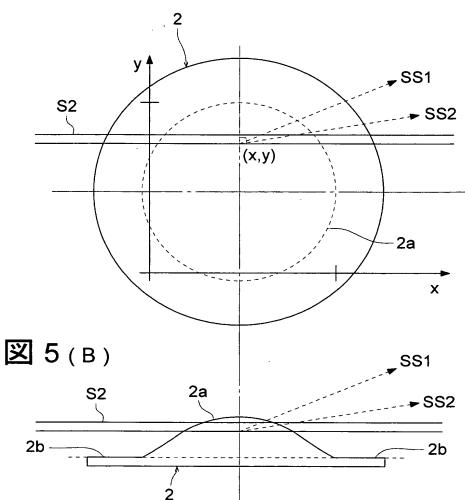
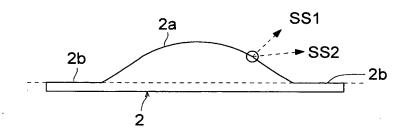
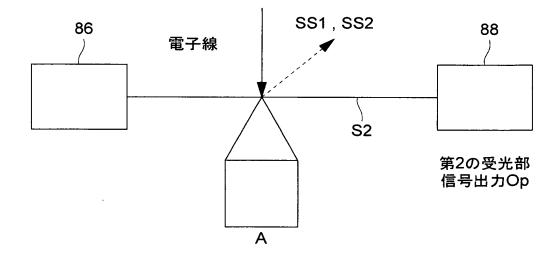
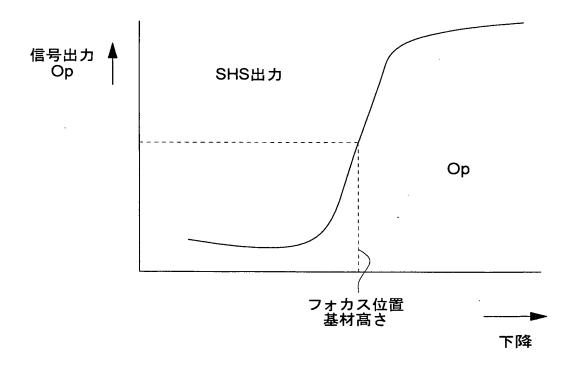
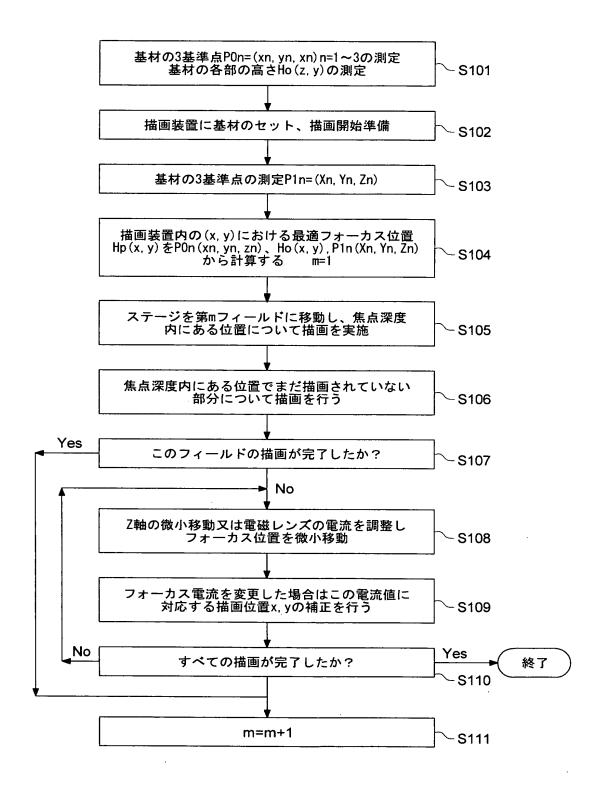


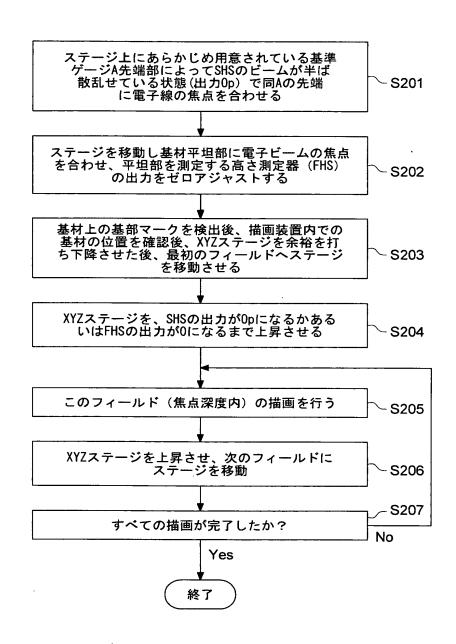
図 5(C)

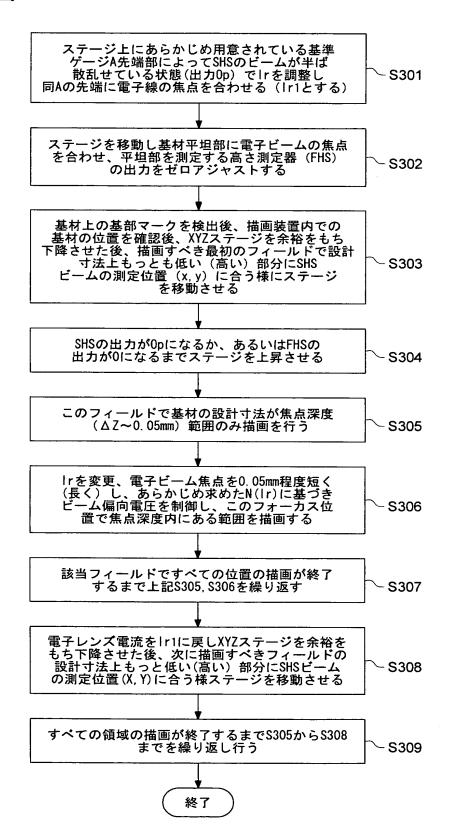


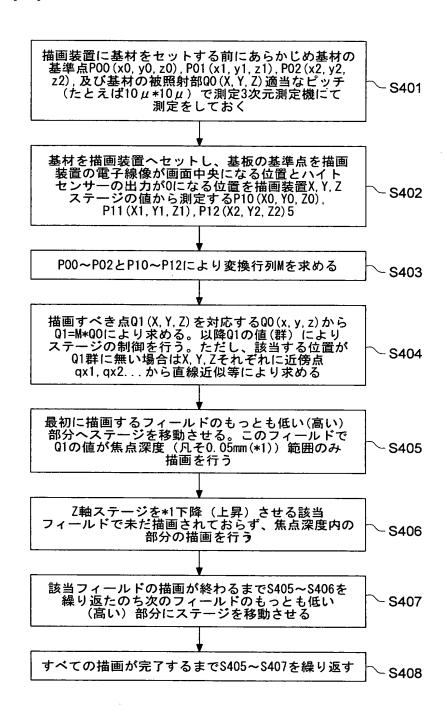












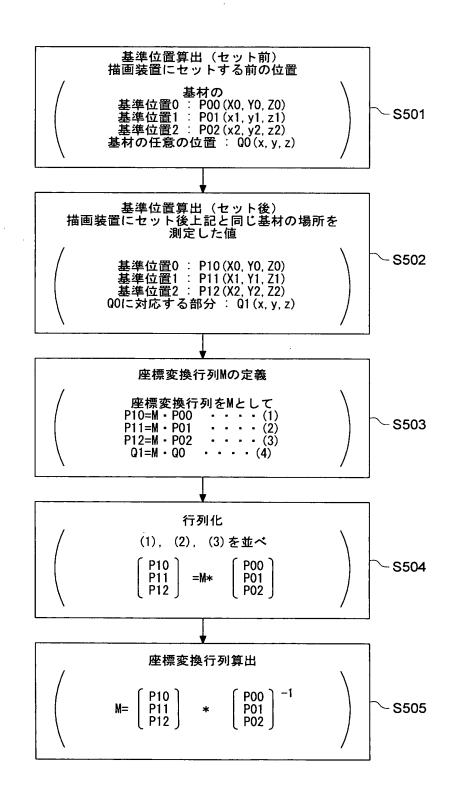


図 13 (A)



図 13 (B)

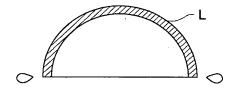


図 13 (C)

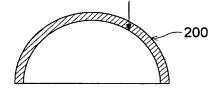


図 13 (D)

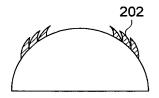


図 13(E)

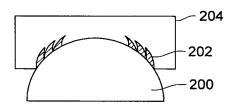


図 13 (F)



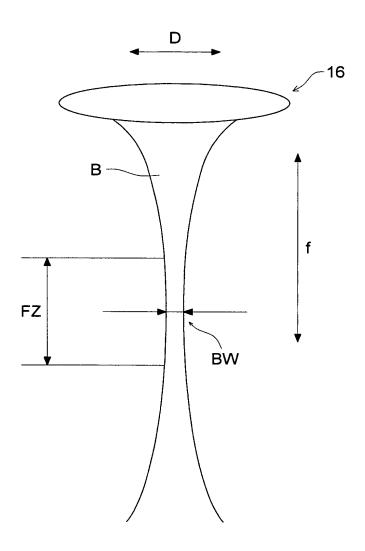
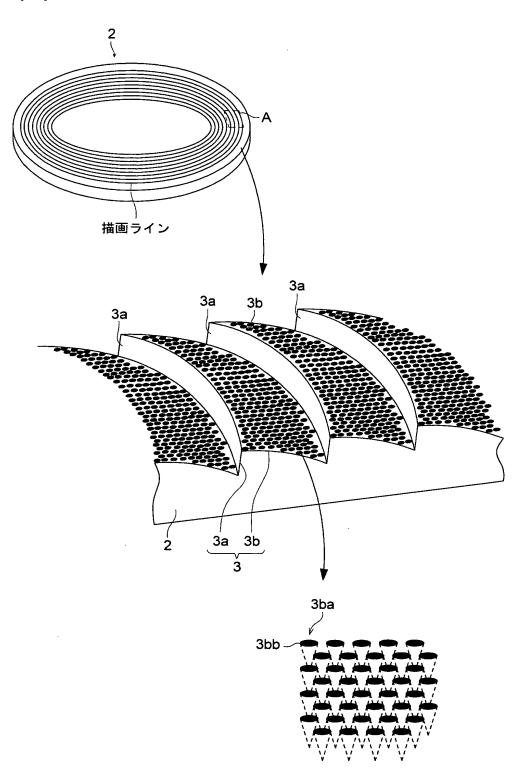
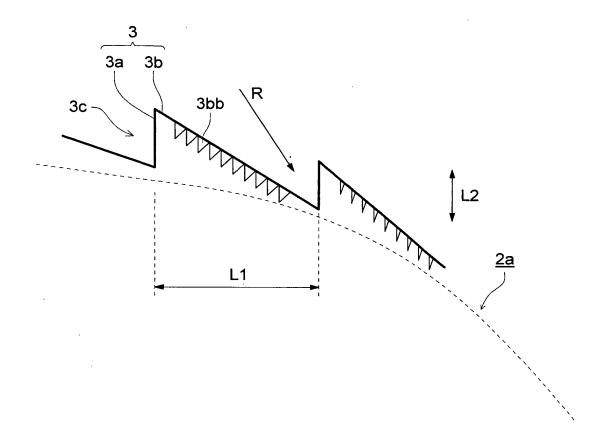
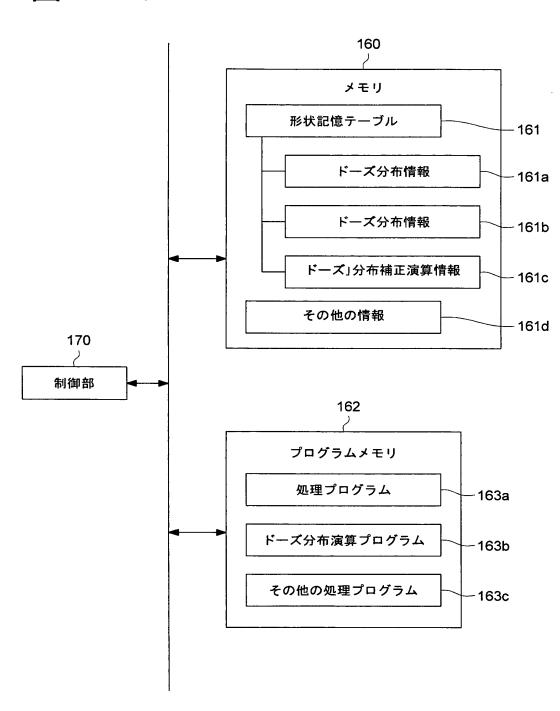
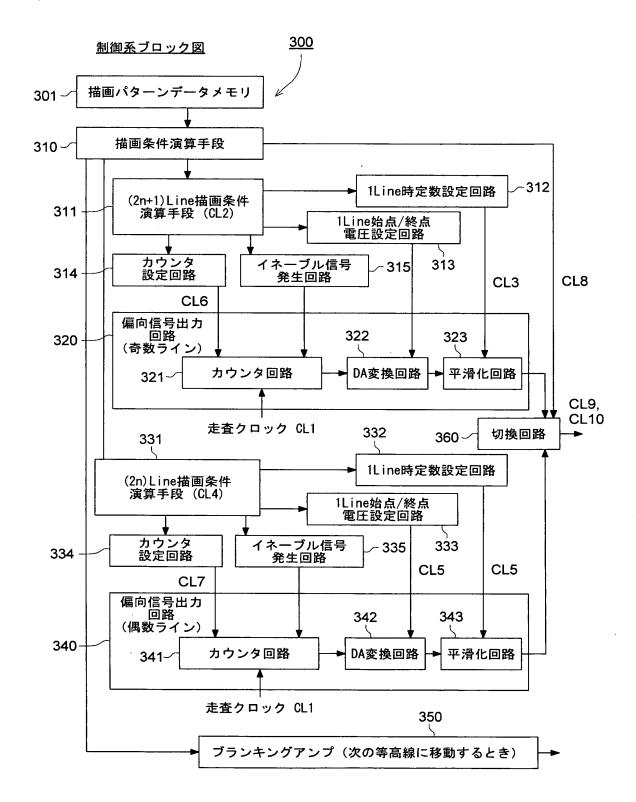


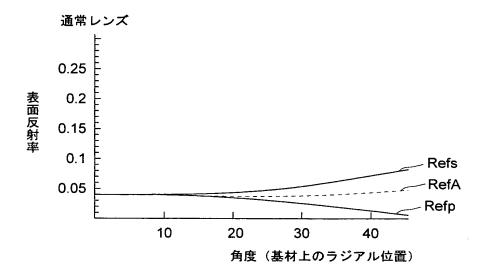
図 15

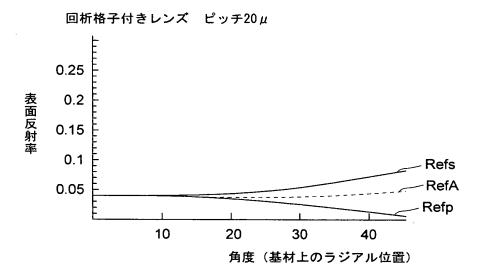












回析格子のついたレンズ 3ミクロンピッチ

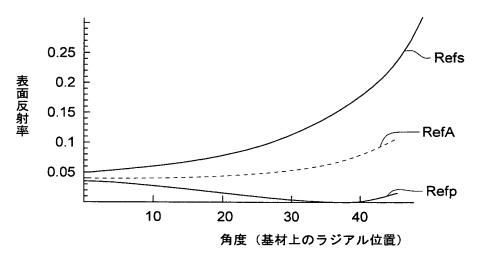
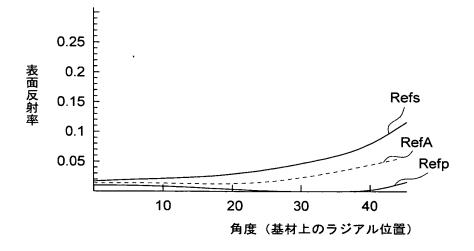
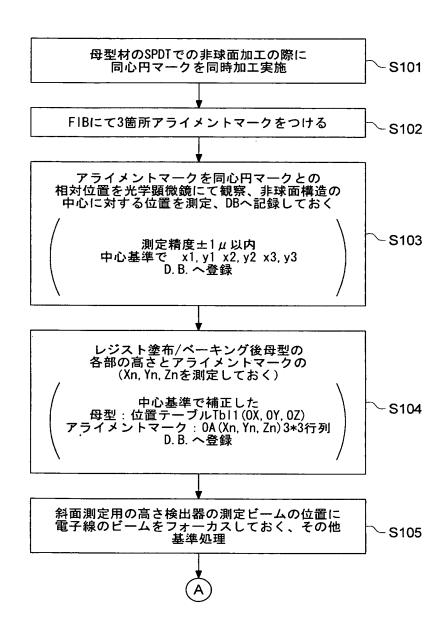


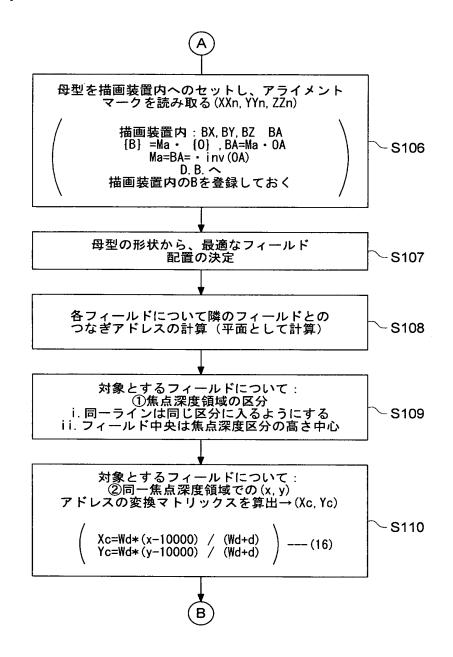
図 22

反射防止構造を設けた 回析格子 (3μ) に反射防止構造のついたレンズ 非クラスター部 面積比 70%



```
n2:=1.5
                (*屈折率*)
s:=0.7
                (*非クラスター部面積比*)
n1:=n2* √S
β :=20
                (*回析格子面の角度*)
\psi := (\text{org}\,\psi + \beta) *3.141592 / 180 ---- (11)
\chi := ArcSin \left[ \frac{Sin[\psi]}{n!} \right] (*屈折率*) -- (12)
                                                                   - S11
Refp:= \frac{(Tan[\psi-x])^2}{(Tan[\psi+x])^2}
Refs:= \frac{(\sin[\psi-x])^2}{(\sin[\psi+x])^2}
            Refp+Refs
RefA:=
                 2
s:=1
            (*通常*)
β:=0
                                                                                              ~S12
Plot { \{Refs, Refp, RefA\} , \{org \psi, 0.45\} , PlotRange \rightarrow \{0, 0.3\} ,
s∶=1
            (*回析格子付きレンズ ピッチ20 μ *)
B :=3
                                                                                               -S13
Plot { \{\text{Refs}, \text{Refp}, \text{RefA}\} , \{\text{org}\psi, 0.45\} , \{\text{PlotRange} \rightarrow \{0, 0.3\} ,
s:=1
            (*回析格子付きレンズ ピッチ3 μ *)
\beta :=20
                                                                                               -S14
Plot { \{\text{Refs}, \text{Refp}, \text{RefA}\} , \{\text{org}\psi, 0.45\} , \{\text{PlotRange}\rightarrow \{0,0,3\} .
s:=0.7
               (*回析格子付きレンズ ピッチ3μ 表面反射防止構造付き*)
β :=20
                                                                                               - S15
Plot { \{\text{Refs}, \text{Refp}, \text{RefA}\} , \{\text{org}\psi, 0.45\} , \{\text{PlotRange}\rightarrow \{0, 0.3\} ,
```





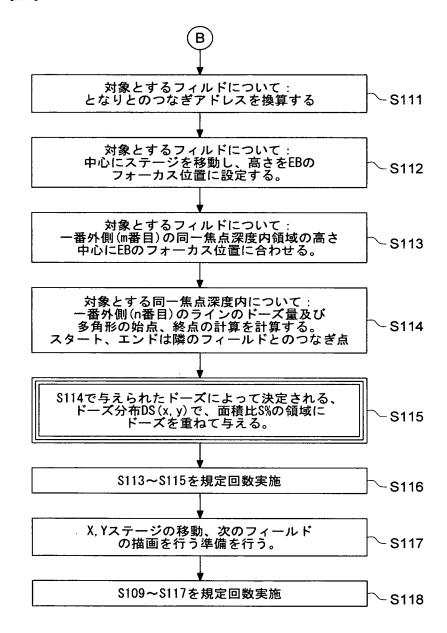


図 27 (A)

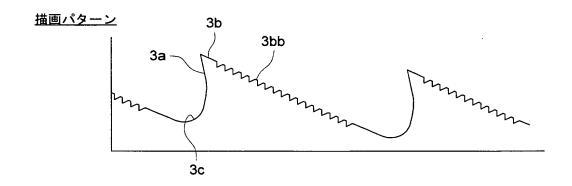
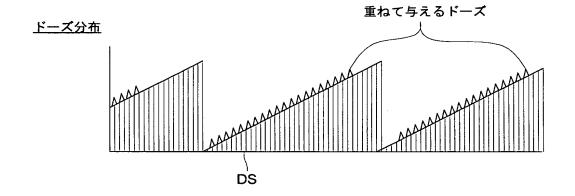
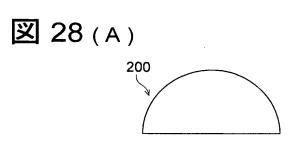
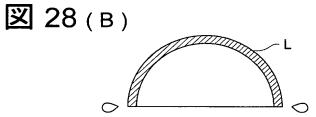
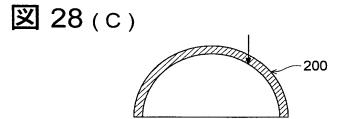


図 27 (B)

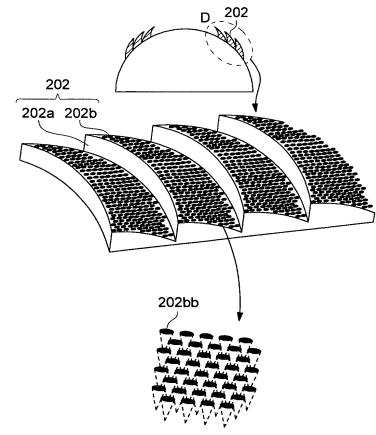


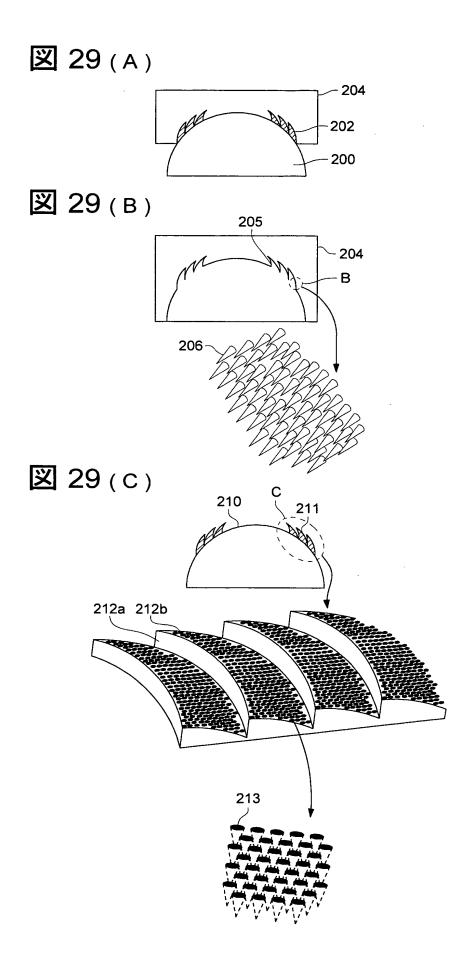














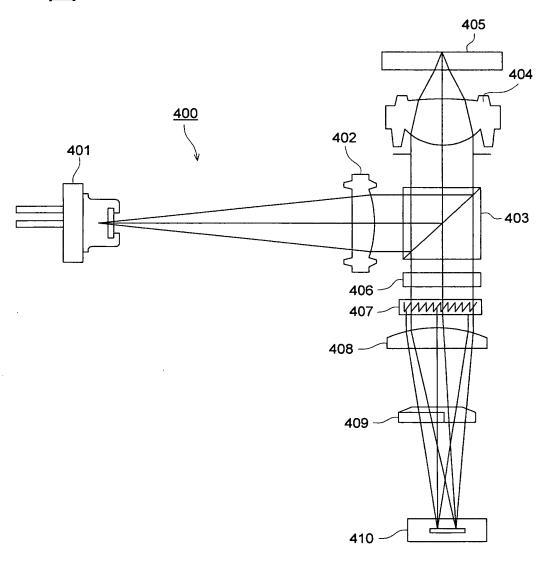
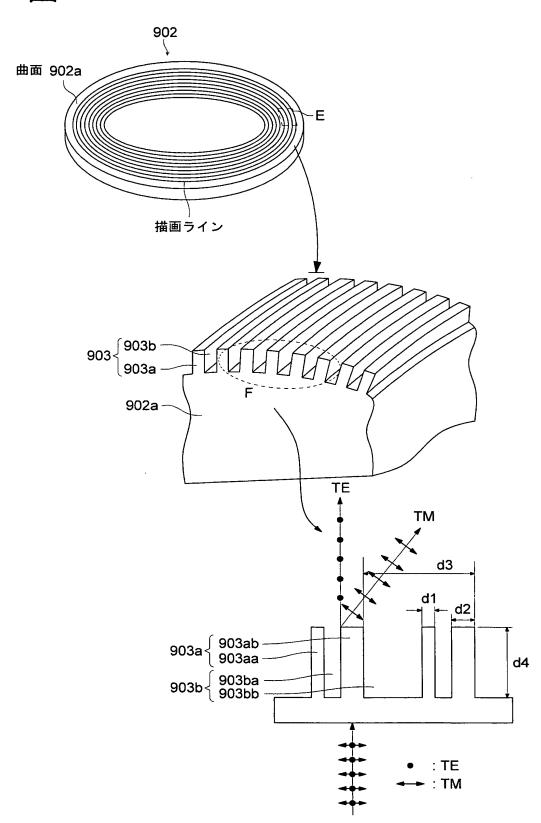
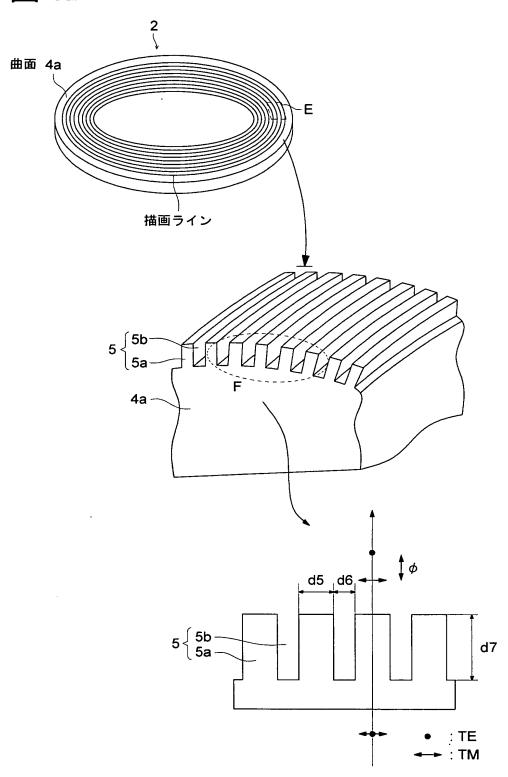
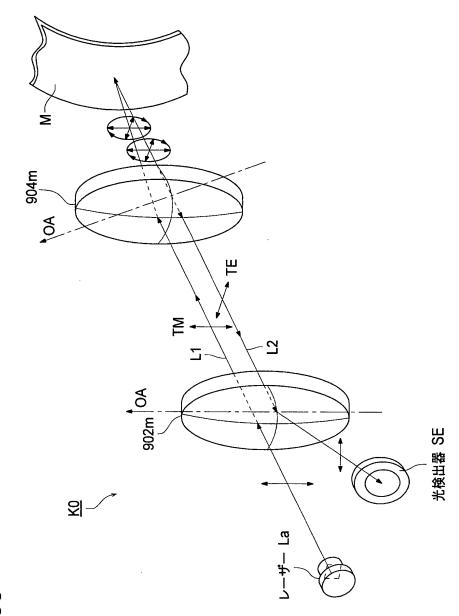


図 31







<u>※</u>33

図 34 (A)

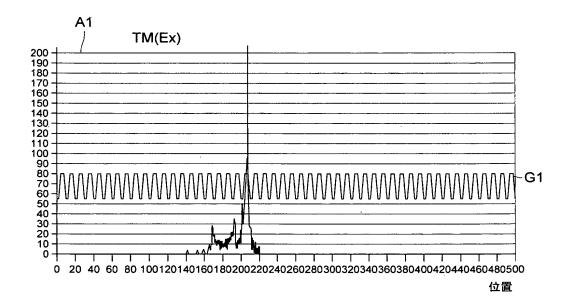


図 34 (B)

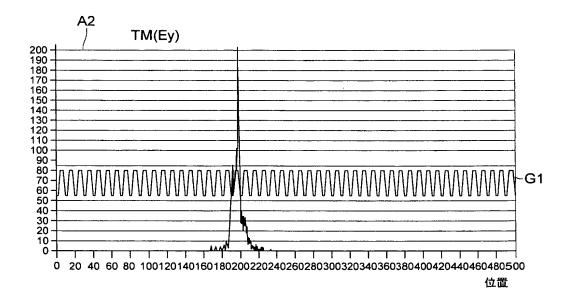


図 35(A)

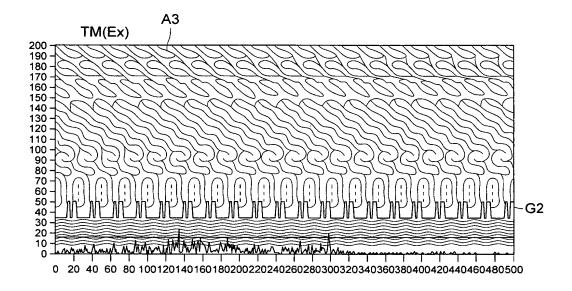
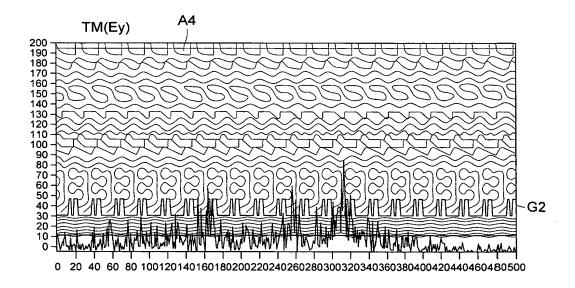
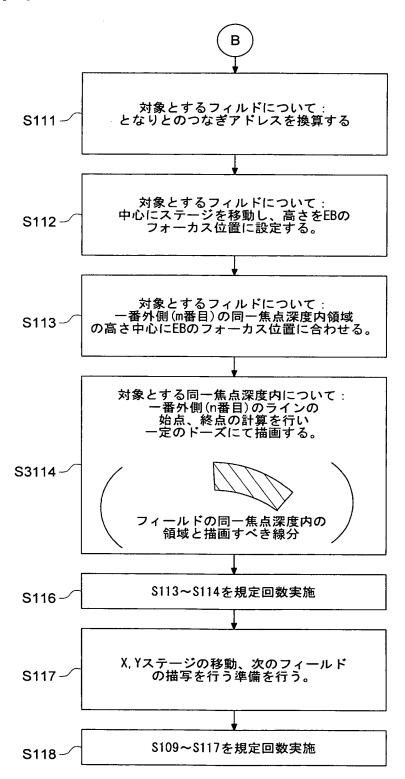
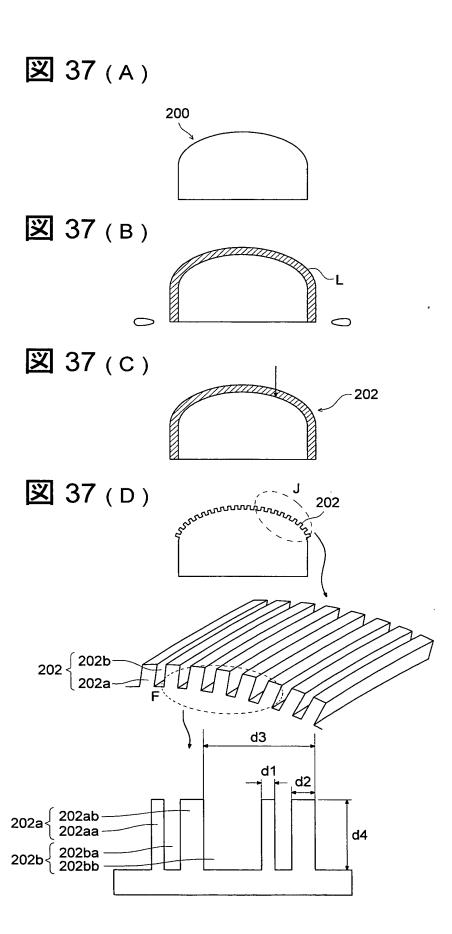
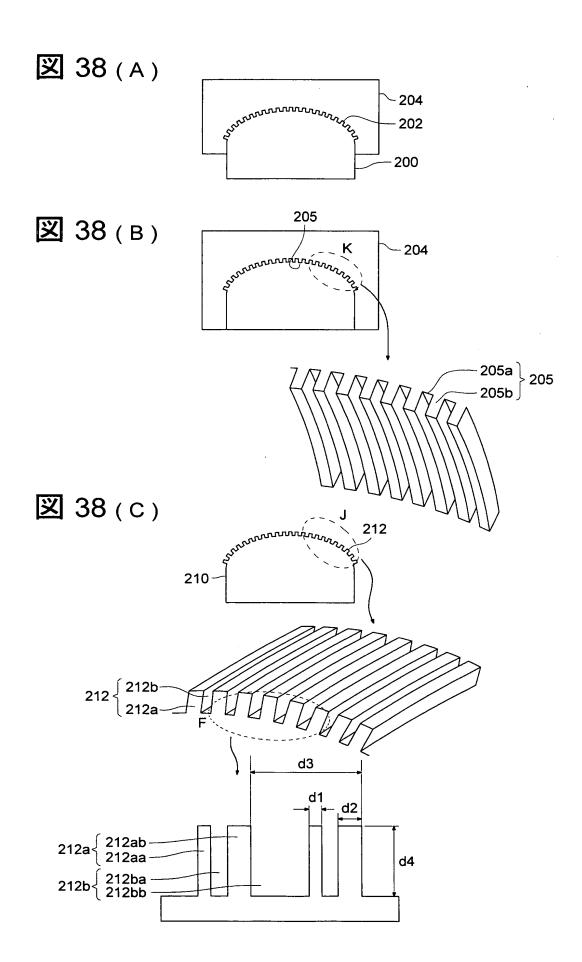


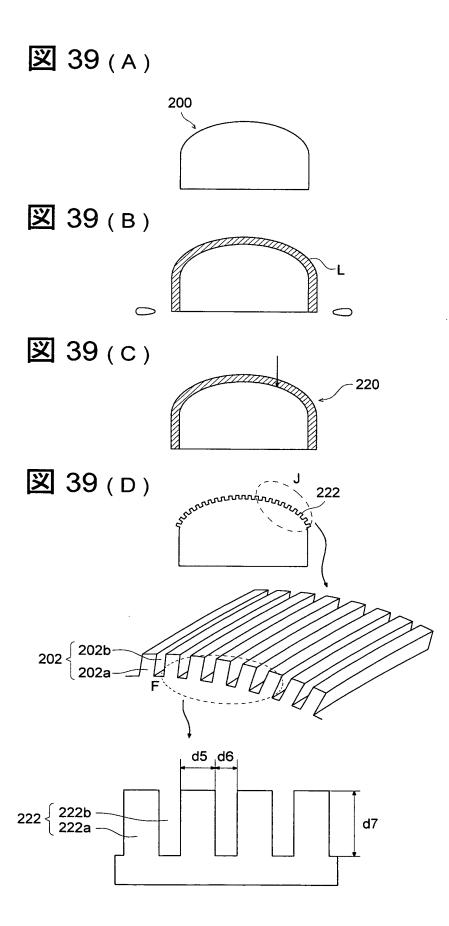
図 35 (B)











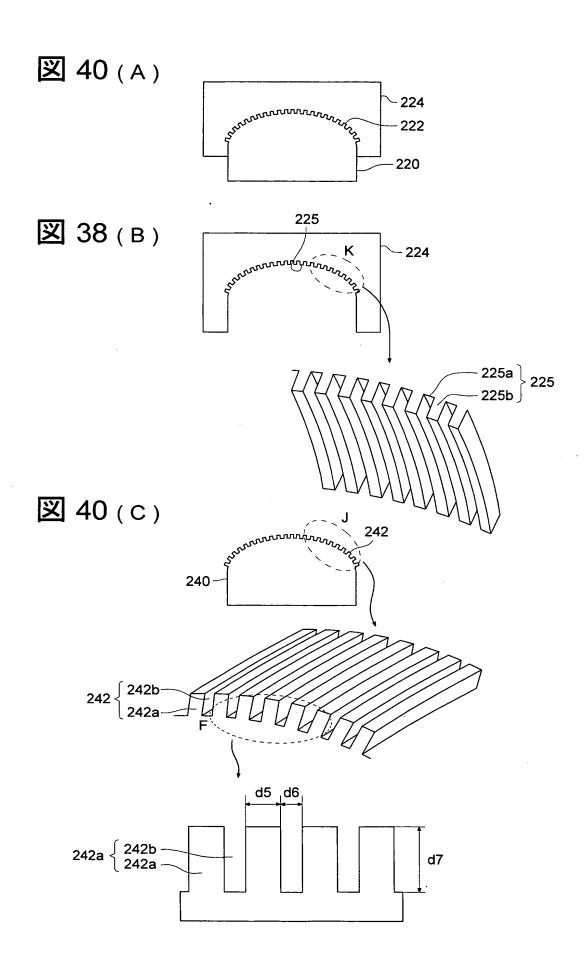
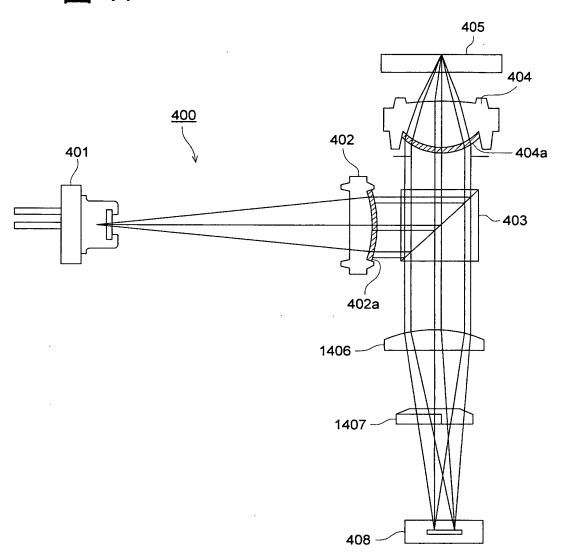


図 41



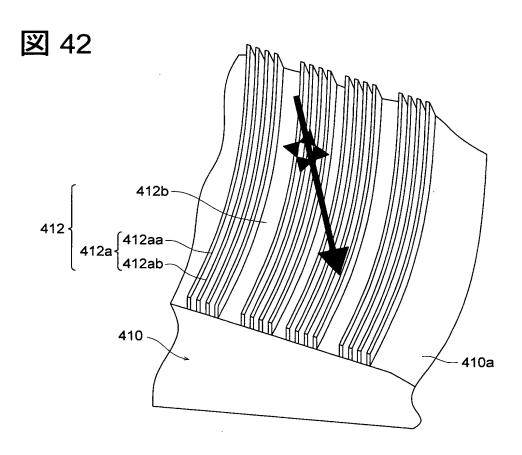
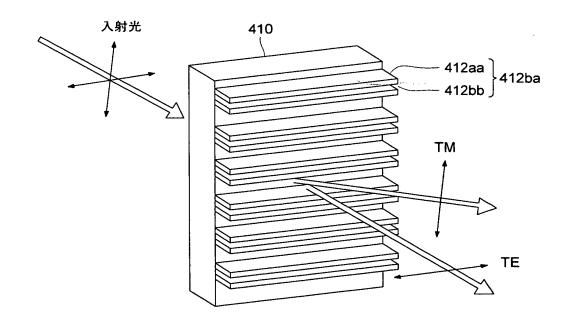
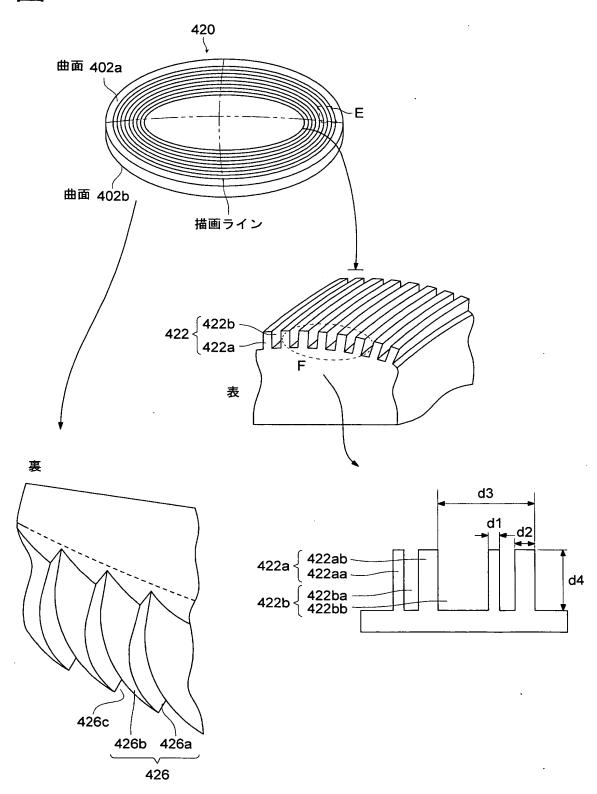
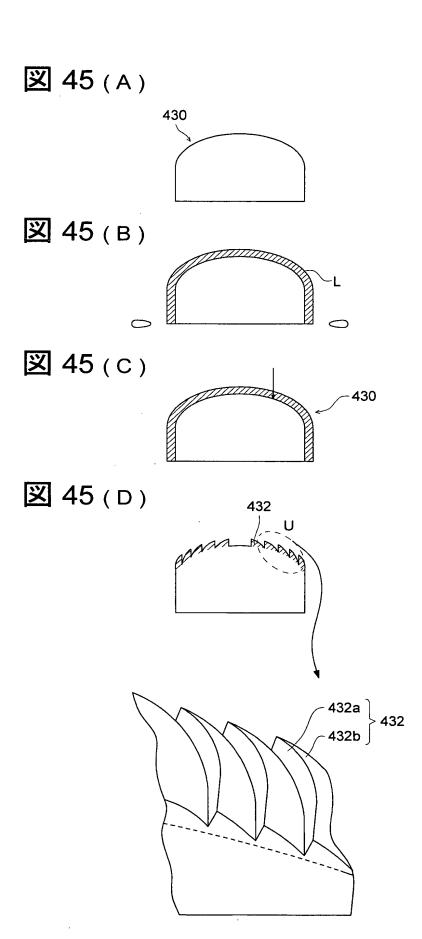


図 43









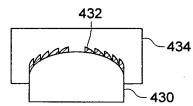


図 46 (B)

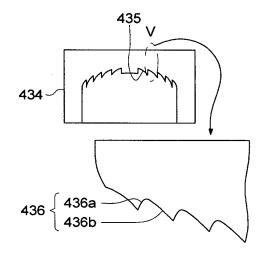


図 46(C)

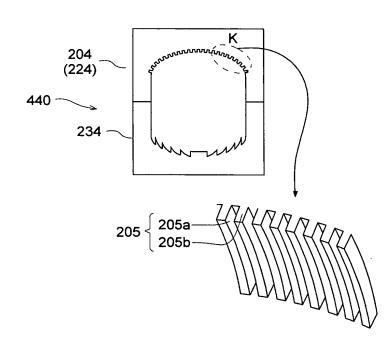


図 47

